

Abstract of the Disclosure

The present invention provides a studless tire which has superior performance on ice and snow in which adhesion friction, digging friction and scratching friction of the tire to the road and abrasion resistance are improved and can maintain this performance. The studless tire has a tread comprising diene rubber and non-metal short fiber which is surface-treated in advance and dispersed in said diene rubber so as to be oriented in the tread thickness direction, wherein when measured at 25°C, said tread has a ratio of complex elastic modulus E1 in the tread thickness direction and complex elastic modulus E2 in the tire circumferential direction of

$$1.1 \leq E1/E2 \leq 4$$

and a tread rubber hardness measured at -10°C of 45 to 75 degrees.